

**ABSTRACT**

Apparatus for producing a panoramic image of a scene, including an image capture device, which is adapted to capture a plurality of sub-images of the scene at a respective plurality of orientations of the device. The apparatus further includes a direction indicator, which is coupled to the image capture device so as to determine the orientation of the device and to indicate the orientations at which the sub-images should be captured so that the plurality of sub-images can be stitched together to form the panoramic image of the scene. The apparatus is able to produce a panoramic image of a horizontal or of a vertical scene.